

PATENT COOPERATION TREATY

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:
KANZAKI, Masahiro
Akasaka-Hikota Bldg., 4F
8-16, Akasaka 2-chome
Minato-ku, Tokyo 107-0052
JAPON

Date of mailing (day/month/year) 15 August 2002 (15.08.02)		
Applicant's or agent's file reference KAN-PCT-01		IMPORTANT NOTICE
International application No. PCT/JP02/00713	International filing date (day/month/year) 30 January 2002 (30.01.02)	
Priority date (day/month/year) 30 January 2001 (30.01.01)		
Applicant KABUSHIKI KAISHA OFFICE NOA et al		

1. Notice is hereby given that the International Bureau has **communicated**, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this notice:

KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE,AG,AL,AM,AP,AU,AZ,BA,BB,BG,BR,BY,BZ,CA,CN,CO,CR,CU,CZ,DM,DZ,EA,EC,EE,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KZ,LC,LK,LR,LS,LT,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NO,NZ,OA,OM,PH,PL,RO,RU,SD,SG,SI,SK,SL,TJ,TM,TN,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZM,ZW

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this notice is a copy of the international application as published by the International Bureau on 15 August 2002 (15.08.02) under No. WO 02/063885

4. **TIME LIMITS for filing a demand for international preliminary examination and for entry into national phase**

The applicable time limit for entering the national phase will, **subject to what is said in the following paragraph** be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of **19 months** from the priority date, but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of the designated Office. For further details, see PCT Gazette No.44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For **regular updates on the applicable time limits** (20,21,30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette, the PCT Newsletter and the PCT Applicant's Guide, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

For filing a demand for international preliminary examination, see the PCT Applicant's Guide, Volume I/A, Chapter IX. Only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II.)

It is the applicant's **sole responsibility** to monitor all these limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.91.11

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF WITHDRAWAL OF INTERNATIONAL APPLICATION OR DESIGNATIONS

(PCT Rule 90bis.1 and 90bis.2 and
Administrative Instructions, Section 415(a))

From the INTERNATIONAL BUREAU

To:

KANZAKI, Masahiro
Akasaka-Hikota Bldg., 4F
8-16, Akasaka 2-chome
Minato-ku, Tokyo 107-0052
JAPON

Date of mailing (day/month/year) 20 June 2002 (20.06.02)		
Applicant's or agent's file reference KAN-PCT-01		IMPORTANT NOTIFICATION
International application No. PCT/JP02/00713	International filing date (day/month/year) 30 January 2002 (30.01.02)	Priority date (day/month/year) 30 January 2001 (30.01.01)
Applicant KABUSHIKI KAISHA OFFICE NOA		

1. The applicant is hereby notified that, except as to any designated State in which national processing or examination has already started upon the express request of the applicant:

- ☐ the international application
- ☒ the designations of the following States:
- ☐ for an ARIPO patent (specify "all States" or, if the withdrawal concerns only some States, specify those States only by indicating the two-letter country codes):
- ☐ for a Eurasian patent
- ☒ for a European patent (specify "all States" or, if the withdrawal concerns only some States, specify those States only by indicating the two-letter country codes): all states
- ☐ for an OAPI patent
- ☒ for a national patent (specify the States by indicating the two-letter country codes):
- AT, CH, DE, DK, ES, FI, GB, LU, PT, SE, TR

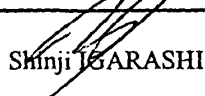
has (have) been withdrawn on the date of receipt of the notice effecting withdrawal as indicated below:

26 April 2002 (26.04.02)

2. The notice effecting withdrawal reached the International Bureau

- ☒ before the completion of the technical preparations for publication and, consequently, there will be no international publication:
- ☐ of the international application.
- ☒ of the designations specified above.
- ☐ after the completion of the technical preparations for publication and, consequently, the withdrawal could not be taken into account for the international publication.

3. The receiving Office and, if they are affected by the withdrawal, the designated (or elected) Offices, the International Searching Authority and the International Preliminary Examining Authority, have been informed accordingly.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Shinji IGARASHI
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/00713

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ H04N7/36, 5/92

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ H04N7/24-7/68, H04N5/91-5/95

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP, 10-98620, A (Fuji Xerox Co., Ltd.), 14 April, 1998 (14.04.98), Full text; Fig. 3 (Family: none)	1-42
A	JP, 11-164305, A (Mitsubishi Electric Corp.), 18 June, 1999 (18.06.99), Full text & DE 019803781 A	1-42
A	JP, 5-64015, A (Toshiba Corp.), 12 March, 1993 (12.03.93), Full text (Family: none)	1-42
A	JP, 62-101183, A (Hitachi, Ltd.), 11 May, 1987 (11.05.87), Full text & US 4831659 A	1-42



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
 05 April, 2002 (05.04.02)

Date of mailing of the international search report
 16 April, 2002 (16.04.02)

Name and mailing address of the ISA/
 Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/00713

B x I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The subject matter of claims 1, 28 is "approximation (replacement) with a single plane ... before inter-frame compression"; the subject matter of claim 15 is "intra-frame compression in which the division block size is changed in the same frame before inter-frame compression; and the subject matter of claims 26, 42 is "not to previously insert an I block ... spatially". Therefore there is no common subject matter.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2002年8月15日 (15.08.2002)

PCT

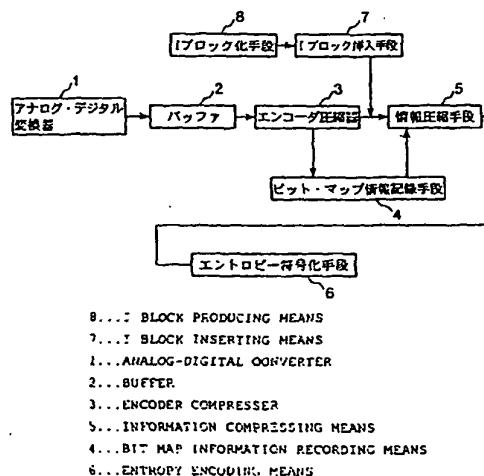
(10) 国際公開番号
WO 02/063885 A1

- (51) 国際特許分類: H04N 7/36, 5/92 千駄木5-31-5 Tokyo (JP). 田辺 智 (TANABE, Satoshi) [JP/JP]; 〒184-0011 東京都小金井市東町1-20-9 Tokyo (JP).
- (21) 国際出願番号: PCT/JP02/00713
- (22) 国際出願日: 2002年1月30日 (30.01.2002)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ: 01102046.8 2001年1月30日 (30.01.2001) EP
特願2001-337217 2001年11月1日 (01.11.2001) JP
- (71) 出願人 (米国を除く全ての指定国について): 株式会社 オフィス ノア (KABUSHIKI KAISHA OFFICE NOA) [JP/JP]; 〒167-0043 東京都杉並区上荻1丁目15番4号 Tokyo (JP).
- (72) 発明者; および
- (75) 発明者/出願人 (米国についてのみ): 加治木 紀子 (KAJIKI, Noriko) [JP/JP]; 〒113-0022 東京都文京区
- (74) 代理人: 神崎 正浩 (KANZAKI, Masahiro); 〒107-0052 東京都港区赤坂2丁目8番16号 赤坂彦田ビル4階 Tokyo (JP).
- (81) 指定国 (国内): AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) 指定国 (広域): ARIPO 特許 (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[続葉有]

(54) Title: MOVING PICTURE INFORMATION COMPRESSING METHOD AND ITS SYSTEM

(54) 発明の名称: 動画像情報の圧縮方法およびそのシステム



(57) Abstract: A moving picture information compressing method and its system for compressing, at high compression rate and at high speed, data such that image information can be prediction-coded and for improving the quality of image. In a first working example, the image in one frame is divided into blocks before the inter-frame compression, and each block is approximated to (replaced with) a single plane defined by three elements of the pixels in the block. In a second working example, the pixel of an original image is compared with that of its decompressed compressed-image, information about the difference of each pixel element is outputted, and the smaller block size is applied if a pixel element which leads to a difference larger than a parameter (threshold) P is present, so as to carry out intra-frame compression. In a third working example, I blocks produced by spatially dividing an image are dispersed along the time axis between frames in such a way that no I block is inserted at a block position in a frame updated when the difference between the frames larger than the parameter (threshold) P occurs in a designated period.

[続葉有]

PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT
(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

KANZAKI, Masahiro
Akasaka-Hikota Bldg., 4F
8-16, Akasaka 2-chome
Minato-ku, Tokyo 107-0052
JAPON

Date of mailing (day/month/year) 20 June 2002 (20.06.02)	
Applicant's or agent's file reference KAN-PCT-01	IMPORTANT NOTIFICATION
International application No. PCT/JP02/00713	International filing date (day/month/year) 30 January 2002 (30.01.02)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 30 January 2001 (30.01.01)
Applicant KABUSHIKI KAISHA OFFICE NOA et al	

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date	Priority application No.	Country or regional Office or PCT receiving Office	Date of receipt of priority document
30 Janu 2001 (30.01.01)	01102046.8	EP	30 May 2002 (30.05.02)
01 Nove 2001 (01.11.01)	2001-337217	JP	30 May 2002 (30.05.02)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized signature Inji-HGARASHI 338.83.38
Facsimile No. (41-22) 740.14.35	Telephone No. 004932621